

INTERNATIONAL SEARCH REPORT

National application No.

PCT/JP2004/005174

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G11B7/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G11B7/09, 7/095

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2000-11406 A (Alps Electric Co., Ltd.), 14 January, 2000 (14.01.00), Full text; Figs. 1 to 12	1, 5, 7, 11, 13, 17
Y	Full text; Figs. 1 to 12 (Family: none)	2-4, 6, 8-10, 12, 14-16, 18
Y	JP 2001-287300 A (Shin-Etsu Polymer Co., Ltd.), 16 October, 2001 (16.10.01), Full text; Figs. 1 to 4 (Family: none)	2, 3, 6, 8, 9, 12, 14, 15, 18

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search
06 May, 2004 (06.05.04)Date of mailing of the international search report
25 May, 2004 (25.05.04)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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